
KARTHIK PS

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CERTIFICATIONS

- Aws certified solution architect

SKILLS

- Kafka Elk stack, Zookeeper from virtusa
(basic hive from beasant technology porur),
(git Jenkins, docker basics, kubernetes helm
chartsbasics in house vm linux machine)
- Programming: UNIX, (python besant technology)
- NO-SQL: MongoDB (kafka documentdb poc)
- Operating Systems: Linux, CentOS, Ubuntu,
Windows+
- Cloud Services: Amazon Web Services (AWS)
- Jira
- Data manipulation
- Agile methodology because we used to attend
scrum meetings
- Planning and implementation as per senior
assign's task
- Excellent problem-solving abilities
- Excellent diagnostic skills
- Besant technology : python, aws,hadoop
Udemy course skills: data science, Basic AI

WORK HISTORY

Associate Consultant Technology, 01/2019 to 10/2021

Virtusa Consultant Pvt Ltd Chennai

Project Name: NYL Microservices DevOps Flex (Data Team)

Used to work in ELK stack,Apache Kafka.

Writing Logstash scripts input Kafka output Elasticsearch and Kibana.

Used to query by creating indexing,insert, up-sort, aggregation sorting, match, bool, term, join fields
etc.

Used to run Logstash config.

Writing python script for **Kafka producer API** and **consumer API** for **Kafka**

Created **Kafka topic**, **sent** message to **elasticsearch** resulting will be viewed in
Kibana.

Rest API queries were also used.

Worked in AWS environment

Wrote PSQL script, executed one-time load script as well as reload script.

Worked in agile environment.

Project Name: NYL Microservices DevOps Flex - POC AMAZON DOCUMENT DBf

PROJECT

Project Name: NYL Microservices DevOps Flex - POC

Description:

Amazon Document DB (with MongoDB compatibility) is a fast, scalable, highly available, and fully managed document database service that supports MongoDB workloads. As a document database, Amazon Document DB makes it easy to store, query, and index JSON data. Amazon Document DB is designed from the ground-up to give you the performance, scalability, and availability you need when operating mission-critical MongoDB workloads at scale. In Amazon Document DB, the storage and compute are decoupled, allowing each to scale independently, and you can increase the read capacity to millions of requests per second by adding up to 15 low latency read replicas in minutes, regardless of the size of your data. Amazon Document DB is designed for 99.99% availability and replicates six copies of your data across three AWS Availability Zones (AZs). You can use AWS Database Migration Service (DMS) for free (for six months) to easily migrate their on-premises or Amazon Elastic Compute Cloud (EC2) MongoDB databases to Amazon Document DB with no downtime.

Technology: **Kafka, Logstash, Document DB,**

Responsibilities:

Worked in Logstash used to write Logstash script execute the script.

Writing python script for producer and consumer API in Kafka.

Created Kafka topic, sent message to AMAZON DOCUMENTDB.

Worked in Agile Methodology Developed the **functionalities** under **Agile**

Methodology, JIRA processes and used JIRA for task assignment

Data mining activity **XML file** and send the **payload** details to the **onshore team**

Nyl legmodization team

Virtusa

Client: new York life insurance

Responsibility :

Check whether you have existing working payloads in SoapUI project.

What are the endpoint which return successful data for available payload in SoapUI Project.

Identify Mandatory and Option elements for payloads and analyze the behavior .

Once Logs enabled focus on sample payloads finding (data mining)

Worked in Agile flatworm

Msc Molecular Biology: (2009-2011)

Dr.AIMPG School of basic medical science

Department of genetics

University of Madras

Taramani

Chennai. India

BSc Advanced Zoology and biotechnology 2006-2009

Rkm Vivekananda College

Mylapore

Chennai.

International diploma in stem cells and regenerative medicine. 2022

(Distinction Part time)

Auto stem cells laboratory

Tamilnadu

Chennai

Molecular biology skills

Western Blot, Dot Blot, cancer Cell Culture, MTT assay, 'SDS Phage Gel Electrophoresis, Stem Cell Culture, Agarose Gel Electrophoresis. PCR, DNA extraction

Auto Stem Labs A+ Distinction

Project: Pluripotent stem cells are endowed with the ability to differentiate into various types of cells found in the human body. Multiple studies isolated mesenchymal stem cells (MSCs) from human tissues, bodily fluids, and peripheral blood. To better understand their phenotypic nature, molecular and cellular markers illustrate these stem cells. Due to their inherent inclination and neural crest origin, human dental pulp stem cells (hDPSCs) are a gripping target for therapeutic applications. HDPSCs possess the MSC phenotype and are classified as cardiomyocytes, neurons, osteoblasts, liver cells, chondrocytes, and pancreatic beta cells. As a result, HDPSCs demonstrated more significant potential in regenerative medicine for pick up the check various human dental diseases.

Techniques: HUMAN DENTAL PULP STEM CELLS culture, characterization. (2 days culture work in august 2019)

MSc Molecular Biology

2009 – 2011

University of Madras, CGPA: 6.551

Thesis: Collagen was immobilized in PVA is publicized to be effective antimicrobial activity in vitro. It is inflexibly to putative that the superficial of a biomaterial is where the first interface between the biomaterial and biological system occurs. Therefore, the shallow belongings of a biomaterial play an essential role in influential its biocompatibility and strongly influence biological response to it. It also defines its long-term recital in vitro. This study exhibited that the enzyme is astoundingly unchangeable and obliges as a suitable

Model enzyme for further studies of immobilized enzyme therapy.

- **Techniques:** MIC, MBC, PVA-Collagen Hydrogel, SEM Analysis.

BSc Advance Zoology and Biotechnology

2006 – 2009

Vivekananda College,

University of Madras, CGPA: 7.2

- **TRIMS LAB VIZAG** (10TH OF JUNE 2011-10TH OF SEP 2011)
- **PROJECT:** To govern an Anticancer bustle of cancer cell lines (skmel 28, KB-chr85, NCI-H23), these cell lines be positioned to upheld in MEM medium cells were endangered to Sub cultured, cryopreserved and imperiled to the MTT assay and IC 50 PRISM .kbchr85 was ignored in publication because no effect in MTT Assay and ic50
- **TECHNIQUES:** Methanol Extracts, SKMEL28, NCI-H23 Cell Culture, MTT assay (Cytotoxicity, IC50 prism
- **SRM MEDICAL RESEARCH CENTER KATANGALATHUR** 25TH OF MARCH 2013 TO 25TH OF JUNE 2013 (MOLECULAR BIOLOGY LAB)
- **POSTION: JUNIOR RESEARCH FELLOW**
- **PROJECT:** “EICLUCIDATION OF MECHANISM BY WHICH PTU CLEARS LEASONS IN PSORIATIC PATIENTS YOUNG SCIENTIST FAST TRACK SCHEME DEPARTMENT OF SCIENCE AND TECHNOLOGY GOVERNMENT OF INDIA “.

TRPVB (AUGUST 2014 – OCT2014)

- **PROJECT:** PPRV VACCINE DEVELOPMENT
- **TECHNIQUES:** DOT BLOT, SDS PAGE, WESTERN BLOT AND MEM CELL CULTURE
- **TRANS-CELL BIOLIFE (Stem cell biobank)** 1ST JUNE 2022 -16 JULY 2022
- **POSITION:** PROCESS ASSISTANT
- **WORKED** CORD BLOOD SAMPLES CENTRIFUGE, BUFFY COAT STORAGE FOR FUTURE USE, HELPED MY SENIOR

CONFERENCES AND CERTIFICATIONS

- Charusat International Conference on Molecular Medicine (Molmed - 2011 International Conference on Molecular Medicine - Metabolic Disorders and Mini-Symposium on Ageing)
- Online Hands-on Training on NGS – RNA – SEQ Analysis QSTATIX Auto Stem Laboratory, 4th Sep 2020-10th of sep 2020.
- Participated in Workshop on RNA Sequence Data Analysis, Bionivid Technologies, Aug 2020
- Srm medical college hospital and research Centre Indian academy of tropical parasitology “HOW TO SUCCEED IN PUBLISHING SCIENTIFIC PAPERS” ON 14TH OF JAN 2013

PUBLICATION

Evaluation of Antioxidant and Anticancer Properties of Methanolic Extracts of Abutilon Indicum and Blumea Mollis, February 2012, Journal of Pharmacy Research 20125:2373-23, Authors: Srikanth.P, Karthik PS, Raaj, Sirisha m

REFERENCE:

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VICE PRESIDENT AND DELIVERY HEAD,
VIRTUSA USA,
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